

### ABSTRACT OF THE DISCLOSURE

To provide a digital power amplifier having high power amplification efficiency.

5 The present invention relates to a digital power amplifier in which a pair of first and second switching elements inserted between a high potential power supply line and a low potential power supply line is caused to operate complementarily, and when switching the switching element which has been switched on, dead time  
10 is provided, to control power supply to a low-pass filter. In a switching section, the first switching element, a first coil, a second coil and the second switching element are connected in series, between the high potential power supply line and the low potential power supply line. The switching section comprises a first  
15 high-speed diode in which a cathode is connected to the high potential power supply line, and an anode is connected to a node between the second coil and the second switching element, and a second high-speed diode in which a cathode is connected to a node between the first  
20 switching element and the first coil, and an anode is connected to the low potential power supply line. The node between the first coil and the second coil is connected to the low-pass filter side.